



PCT10

RAW SEQUENCE LISTING

DATE: 04/17/2002

PATENT APPLICATION: US/10/089,500

TIME: 12:14:30

Input Set : A:\sequence listing.txt

Output Set: N:\CRF3\04172002\J089500.raw

ENTERED

5 <110> APPLICANT: KYOWA HAKKO KOGYO CO., LTD
 7 <120> TITLE OF INVENTION: Humanized anti-GD3 antibody and it's cytokine conjugate
 9 <130> FILE REFERENCE: 11239W01
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/089,500
 C--> 12 <141> CURRENT FILING DATE: 2002-03-29
 14 <150> PRIOR APPLICATION NUMBER: H11-278291
 15 <151> PRIOR FILING DATE: 1999-09-30
 17 <160> NUMBER OF SEQ ID NOS: 57
 19 <170> SOFTWARE: PatentIn Ver. 2.0
 22 <210> SEQ ID NO: 1
 23 <211> LENGTH: 138
 24 <212> TYPE: PRT
 25 <213> ORGANISM: Mus musculus
 27 <400> SEQUENCE: 1
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 31 Val Gln Cys Glu Val Thr Leu Val Glu Ser Gly Gly Asp Phe Val Lys
 32 -1 1 5 10
 34 Pro Gly Gly Ser Leu Lys Val Ser Cys Ala Ala Ser Gly Phe Ala Phe
 35 15 20 25
 37 Ser His Tyr Ala Met Ser Trp Val Arg Gln Thr Pro Ala Lys Arg Leu
 38 30 35 40 45
 40 Glu Trp Val Ala Tyr Ile Ser Ser Gly Gly Ser Gly Thr Tyr Tyr Ser
 41 50 55 60
 43 Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn
 44 65 70 75
 46 Thr Leu Tyr Leu Gln Met Arg Ser Leu Arg Ser Glu Asp Ser Ala Met
 47 80 85 90
 49 Tyr Phe Cys Thr Arg Val Lys Leu Gly Thr Tyr Tyr Phe Asp Ser Trp
 50 95 100 105
 52 Gly Gln Gly Thr Thr Leu Thr Val Ser Ser
 53 110 115
 57 <210> SEQ ID NO: 2
 58 <211> LENGTH: 128
 59 <212> TYPE: PRT
 60 <213> ORGANISM: Mus musculus
 62 <400> SEQUENCE: 2
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 66 Gly Thr Arg Cys Asp Ile Gln Met Thr Gln Thr Ala Ser Ser Leu Pro
 67 -1 1 5 10
 69 Ala Ser Leu Gly Asp Arg Val Thr Ile Ser Cys Ser Ala Ser Gln Asp
 70 15 20 25

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72 Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro Asp Gly Thr Val
73      30      35      40
75 Lys Leu Leu Ile Phe Tyr Ser Ser Asn Leu His Ser Gly Val Pr Ser
76 45      50      55      60
78 Arg Phe Ser Gly Gly Gly Ser Gly Thr Asp Tyr Ser Leu Thr Ile ver
79      65      70      75
81 Asn Leu Glu Pro Glu Asp Ile Ala Thr Tyr Phe Cys His Gln Tyr Se.
82      80      85      90
84 Lys Leu Pro Trp Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys Arg
85      95      100      105
89 <210> SEQ ID NO: 3
90 <211> LENGTH: 5
91 <212> TYPE: PRT
92 <213> ORGANISM: Mus musculus
94 <400> SEQUENCE: 3
95 His Tyr Ala Met Ser
96 1      5
99 <210> SEQ ID NO: 4
100 <211> LENGTH: 17
101 <212> TYPE: PRT
102 <213> ORGANISM: Mus musculus
104 <400> SEQUENCE: 4
105 Tyr Ile Ser Ser Gly Gly Ser Gly Thr Tyr Tyr Ser Asp Ser Val Lys Gly
106 1      5      10      15
109 <210> SEQ ID NO: 5
110 <211> LENGTH: 10
111 <212> TYPE: PRT
112 <213> ORGANISM: Mus musculus
114 <400> SEQUENCE: 5
115 Val Lys Leu Gly Thr Tyr Tyr Phe Asp Ser
116 1      5      10
119 <210> SEQ ID NO: 6
120 <211> LENGTH: 11
121 <212> TYPE: PRT
122 <213> ORGANISM: Mus musculus
124 <400> SEQUENCE: 6
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126 1      5      10
129 <210> SEQ ID NO: 7
130 <211> LENGTH: 7
131 <212> TYPE: PRT
132 <213> ORGANISM: Mus musculus
134 <400> SEQUENCE: 7
135 Tyr Ser Ser Asn Leu His Ser
136 1      5
139 <210> SEQ ID NO: 8
140 <211> LENGTH: 9
141 <212> TYPE: PRT
142 <213> ORGANISM: Mus musculus

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145 His Gln Tyr Ser Lys Leu Pro Trp Thr
146   1           5
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152 <212> TYPE: PRT
153 <213> ORGANISM: Artificial Sequence
155 <220> FEATURE:
156 <223> OTHER INFORMATION: Description of Artificial Sequence:synthetic protein
158 <400> SEQUENCE: 9
159 Glu Val Gln Leu Val Glu Ser Gly Gly Asp Phe Val Gln Pro Gly Gly
160   1           5           10           15
162 Ser Leu Arg Val Ser Cys Ala Ala Ser Gly Phe Ala Phe Ser His Tyr
163           20           25           30
165 Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
166           35           40           45
168 Ala Tyr Ile Ser Ser Gly Gly Ser Gly Thr Tyr Tyr Ser Asp Ser Val
169           50           55           60
171 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
172           65           70           75           80
174 Leu Gln Met Arg Ser Leu Arg Ala Glu Asp Ser Ala Val Tyr Phe Cys
175           85           90           95
177 Thr Arg Val Lys Leu Gly Thr Tyr Tyr Phe Asp Ser Trp Gly Gln Gly
178           100          105          110
180 Thr Leu Leu Thr Val Ser Ser
181           115
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187 <212> TYPE: PRT
188 <213> ORGANISM: Artificial Sequence
190 <220> FEATURE:
191 <223> OTHER INFORMATION: Description of Artificial Sequence:synthetic protein
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194 Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
195   1           5           10           15
197 Asp Arg Val Thr Ile Thr Cys Ser Ala Ser Gln Asp Ile Ser Asn Tyr
198           20           25           30
200 Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
201           35           40           45
203 Phe Tyr Ser Ser Asn Leu His Ser Gly Val Pro Ser Arg Phe Ser Gly
204           50           55           60
206 Gly Gly Ser Gly Thr Asp Tyr Thr Leu Thr Ile Ser Ser Leu Gln Pro
207           65           70           75           80
209 Glu Asp Phe Ala Thr Tyr Tyr Cys His Gln Tyr Ser Lys Leu Pro Trp
210           85           90           95
212 Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg
213           100          105
217 <210> SEQ ID NO: 11
218 <211> LENGTH: 95

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219 <212> TYPE: DNA
220 <213> ORGANISM: Artificial Sequence
222 <220> FEATURE:
223 <223> OTHER INFORMATION: Description of Artificial Sequence:synthetic DNA
225 <400> SEQUENCE: 11
226 caggaaacag ctatgacgcg gccgccacca tggagtttgg gctcagctgg ctttttcttg 60
227 tccttgtttt caaagtggtt cagtgtgagg tgcag                               95
230 <210> SEQ ID NO: 12
231 <211> LENGTH: 97
232 <212> TYPE: DNA
233 <213> ORGANISM: Artificial Sequence
235 <220> FEATURE:
236 <223> OTHER INFORMATION: Description of Artificial Sequence:synthetic DNA
238 <400> SEQUENCE: 12
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240 cccccagact ccaccagctg cacctcacac tgaacac                               97
243 <210> SEQ ID NO: 13
244 <211> LENGTH: 98
245 <212> TYPE: DNA
246 <213> ORGANISM: Artificial Sequence
248 <220> FEATURE:
249 <223> OTHER INFORMATION: Description of Artificial Sequence:synthetic DNA
251 <400> SEQUENCE: 13
252 gcagcctctg gattcgcttt cagtcattat gccatgtctt ggggccgcca ggctccaggg 60
253 aaggggctgg agtgggtggc ttatattagt agtgggtgg                               98
256 <210> SEQ ID NO: 14
257 <211> LENGTH: 97
258 <212> TYPE: DNA
259 <213> ORGANISM: Artificial Sequence
261 <220> FEATURE:
262 <223> OTHER INFORMATION: Description of Artificial Sequence:synthetic DNA
264 <400> SEQUENCE: 14
265 gatacagcgt gttcttgagg ttatctctgg agatggtgaa tctgcccttt aactgtcttg 60
266 aatagtaggt gccactacca ccactactaa tataage                               97
270 <210> SEQ ID NO: 15
271 <211> LENGTH: 98
272 <212> TYPE: DNA
273 <213> ORGANISM: Artificial Sequence
275 <220> FEATURE:
276 <223> OTHER INFORMATION: Description of Artificial Sequence:synthetic DNA
278 <400> SEQUENCE: 15
279 ctccaagaac acgtgtatc tgcaaatgcg cagcctgaga gctgaggact cggctgtgta 60
280 tttctgtaca agagttaaac tgggaacctt ctactttg                               98
283 <210> SEQ ID NO: 16
284 <211> LENGTH: 92
285 <212> TYPE: DNA
286 <213> ORGANISM: Artificial Sequence
288 <220> FEATURE:
289 <223> OTHER INFORMATION: Description of Artificial Sequence:synthetic DNA

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291 <400> SEQUENCE: 16
292 gttttcccag tcacgacggg cccttggtgg aggctgagga gacggtgagc agggttccct 60
293 ggccccagga gtcaaagtag taggttccca gt 92
296 <210> SEQ ID NO: 17
297 <211> LENGTH: 94
298 <212> TYPE: DNA
299 <213> ORGANISM: Artificial Sequence
301 <220> FEATURE:
302 <223> OTHER INFORMATION: Description of Artificial Sequence:synthetic DNA
304 <400> SEQUENCE: 17
305 caggaaacag ctatgacgaa ttccaccatg atgtcctctg ctacagttcct tggctctcctg 60
306 ttgctctgtt ttcaaggtag cagatgtgac atcc 94
309 <210> SEQ ID NO: 18
310 <211> LENGTH: 87
311 <212> TYPE: DNA
312 <213> ORGANISM: Artificial Sequence
314 <220> FEATURE:
315 <223> OTHER INFORMATION: Description of Artificial Sequence:synthetic DNA
317 <400> SEQUENCE: 18
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319 gtcactctgga tgcacatct ggtacct 87
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324 <211> LENGTH: 89
325 <212> TYPE: DNA
326 <213> ORGANISM: Artificial Sequence
328 <220> FEATURE:
329 <223> OTHER INFORMATION: Description of Artificial Sequence:synthetic DNA
331 <400> SEQUENCE: 19
332 gtcaccatca cttgtagtgc aagtcaggac attagtaatt atttaaactg gtatcagcag 60
333 aaaccagga aagcccctaa gtcctgat 89
336 <210> SEQ ID NO: 20
337 <211> LENGTH: 89
338 <212> TYPE: DNA
339 <213> ORGANISM: Artificial Sequence
341 <220> FEATURE:
342 <223> OTHER INFORMATION: Description of Artificial Sequence:synthetic DNA
344 <400> SEQUENCE: 20
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346 gagtaaaaga tcaggagctt aggggcttt 89
349 <210> SEQ ID NO: 21
350 <211> LENGTH: 92
351 <212> TYPE: DNA
352 <213> ORGANISM: Artificial Sequence
354 <220> FEATURE:
355 <223> OTHER INFORMATION: Description of Artificial Sequence:synthetic DNA
357 <400> SEQUENCE: 21
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359 acttattact gtcacagta tagtaagctt cc 92
362 <210> SEQ ID NO: 22

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VERIFICATION SUMMARY

DATE: 04/17/2002

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TIME: 12:14:31

Input Set : A:\sequence listing.txt

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L:11 M:270 C: Current Application Number differs, Replaced Application Number

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date